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TO CHARGE ANY DEFICIENCY IN THE  
FEES FOR THIS PAPER TO DEPOSIT  
ACCOUNT NO. 23-0975



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

application of : **Confirmation No. 5655**  
Tomiyuki MITSUNAGA et al. : Docket No. 2003\_1389A  
Serial No. 10/674,430 : Group Art Unit 2858  
Filed October 1, 2003 :  
SENSOR UNIT

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to the provisions of 37 CFR 1.56, 1.97 and 1.98, Applicants request consideration of ☒ the references listed on attached form PTO-1449 and/or ☐ the additional information identified below in paragraph 3. A legible copy of each reference listed on the form PTO-1449 and each U.S. patent application listed below is enclosed, except a copy is not provided for each reference previously cited by or submitted to the Patent Office in prior parent application Serial No. \_\_\_\_\_.

1a. ☒ This Information Disclosure Statement is submitted:

within three months of the filing date (or of entry into the National Stage) of the above-entitled application, **or**

before the mailing of a first Office Action on the merits or the mailing of a first Office Action after the filing of an RCE,

**and thus no certification and/or fee is required.**

1b. ☐ This Information Disclosure Statement is submitted

after the events of above paragraph 1a and prior to the mailing date of a final Office Action or a Notice of Allowance or an action which otherwise closes prosecution in the application, and thus:

(1) ☐ the certification of paragraph 2 below is provided, **or**

(2) ☐ the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.

1c. ☐ This Information Disclosure Statement is submitted:

after the mailing date of a final Office Action or Notice of Allowance or action which otherwise closes prosecution in the application, and prior to payment of the issue fee, and thus:

**the certification of paragraph 2 below is provided, and**

**the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.**

2. It is hereby certified

a. ☒ that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Statement, or

b. ☐ that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in §1.56(c) more than three months prior to the filing of the Statement.

3. ☐ Consideration of the following list of additional information (including any copending or abandoned U.S. application, prior uses and/or sales, etc.) is requested.

4. For each non-English language reference listed on the attached form PTO-1449, reference is made to:
- a. ☐ a full or partial English language translation submitted herewith,
  - b. ☒ a European Search Report (in the English language) from a counterpart application, submitted herewith,
  - c. ☐ the concise explanation contained in the specification of the present application at page,
  - d. ☐ the concise explanation set forth in the attached English language abstract,
  - e. ☐ the concise explanation set forth below or on a separate sheet attached to the reference:
5. ☐ An International Search Report citing one or more of the references is enclosed.
6. ☒ Statement Under 37 CFR 1.704(d)

Each item of information contained in the Information Disclosure Statement was cited in a communication from a foreign Patent Office in a counterpart application, and this communication was not received by any individual designated in §1.56(c) more than thirty days prior to the filing of the Information Disclosure statement.

Respectfully submitted,

Tomiyuki MITSUNAGA et al.

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January 29, 2004

FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)  
(Use several sheets if necessary)

Date Submitted to PTO: January 29, 2004

ATTY DOCKET NO.  
2003\_1389ASERIAL NO.  
10/674,430APPLICANT  
Tomiyuki MITSUNAGA et al.FILING DATE  
October 1, 2003GROUP  
2858

## U.S. PATENT DOCUMENTS

| *EXAMINER<br>INITIAL |  | DOCUMENT<br>NUMBER | DATE    | NAME             | CLASS | SUBCLASS | FILING DATE IF<br>APPROPRIATE |
|----------------------|--|--------------------|---------|------------------|-------|----------|-------------------------------|
| AA                   |  | 6,008,756          | 12/1999 | Boerhave et al.  |       |          |                               |
| AB                   |  | 4,849,827          | 7/1989  | Hashimoto et al. |       |          |                               |
| AC                   |  |                    |         |                  |       |          |                               |
| AD                   |  |                    |         |                  |       |          |                               |
| AE                   |  |                    |         |                  |       |          |                               |
| AF                   |  |                    |         |                  |       |          |                               |
| AG                   |  |                    |         |                  |       |          |                               |
| AH                   |  |                    |         |                  |       |          |                               |
| AI                   |  |                    |         |                  |       |          |                               |

## FOREIGN PATENT DOCUMENTS

|  |    | DOCUMENT<br>NUMBER | DATE    | COUNTRY | CLASS | SUBCLASS | TRANSLATION<br>YES NO |
|--|----|--------------------|---------|---------|-------|----------|-----------------------|
|  | AJ | 0 545 636          | 6/1993  | EP      |       |          |                       |
|  | AK | 95/28650           | 10/1995 | WO      |       |          |                       |
|  | AL | 25 49 791          | 5/1977  | DE      |       |          |                       |
|  | AM |                    |         |         |       |          |                       |
|  | AN |                    |         |         |       |          |                       |

## OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

|    |  |
|----|--|
| AO | H.A. MALLIOT, "Digital Terrain Elevation Mapping System," AEROSPACE APPLICATIONS CONFERENCE, 1996. PROCEEDINGS., 1996 IEEE ASPEN, CO, U.S.A., February 3, 1996, New York, NY, pp. 91-105, XP010159095, ISBN: 0-7803-3196-6 - Figure 3. |
| AP |  |
| AQ |  |

EXAMINER

DATE CONSIDERED